

Function:		
MR-4 Trouble Duration Intervals		
Definition:		
Measures the average duration (in hours) of customer network trouble reports. Duration is defined to be the elapsed hours from the date and time the trouble is created to the date and time the trouble is cleared.		
Network Trouble includes the following dispositions: Network Terminating Facilities (04), Outside Plant (06), Special Services/Transmission Elements and Interoffice Facilities (07), Service Order (09), Records/Software Programming (10), Carrier or Concentrator (11), Central Office (12)		
Exclusions:		
Excludes the following types of trouble:		
<ul style="list-style-type: none"> CPE, Coin Test OK, Came Clear, Customer error Invalid, non-service affecting Enhanced products and services Referred to other vendors Received on the Due Date Subsequent reports ILEC employee generated, ILEC company official orders 		
Performance Standard:		
Parity with GTE Retail		
Report Dimensions :		
Company: <ul style="list-style-type: none"> • Individual CLEC • CLECs in the aggregate • ILEC (if analog applies) Products: <ul style="list-style-type: none"> • Resale POTS • Resale Specials • UNE Loop Nondesigned • UNE Loop Designed • UNE Port • UNE Transport • UNE Platform • UNE Loop xDSL Capable • Interconnection Trunks 		Geography: <ul style="list-style-type: none"> • Statewide
Sub-Metrics		
MR-4-01	Mean Time to Repair	
Calculation	Numerator	Denominator
	Sum of trouble clear date and time minus created date and time for customer network trouble reports for all products (Designed Troubles – excludes interrupt time)	Total customer network trouble reports for all products
MR-4-07	% Out of Service > 12 Hours – Interconnection Trunks	
Calculation	Numerator	Denominator
	Count of Interconnection trunks troubles out of service, where the trouble cleared date/time minus the created date/time is greater than 12 hours and time minus created date and time for customer network trouble reports (Designed Troubles – excludes interrupt time)	Total customer network trouble reports for Interconnection trunks

Sub-Metrics MR-4 Trouble Duration Intervals		
MR-4-08	% Out of Service > 24 Hours	
Calculation	Numerator	Denominator
	Count of Resale and UNE troubles out of service, where the trouble cleared date/time minus the created date/time is greater than 24 hours and time minus created date and time for customer network trouble reports for all Resale and UNE products (Designed Troubles exclude interrupt time)	Total customer network trouble reports for all Resale and UNE products

Function:**MR-5 Repeat Trouble Reports****Definition:**

Measures the percent of customer network trouble reports received within 30 calendar days of a previous customer network trouble report.

Any trouble, regardless of the original disposition code, that repeat as the following dispositions, will be classified as a repeat report: Network Terminating Facilities (04), Outside Plant (06), Special Services/Transmission Elements and Interoffice Facilities (07), Service Order (09), Records/Software Programming (10), Carrier or Concentrator (11), Central Office (12)

Exclusions:

Excludes the following types of trouble:

- CPE
- Test OK
- Came Clear
- Customer error
- Coin
- Invalid, non-service affecting
- Enhanced products and services
- Referred to other vendors
- Received on the Due Date
- Subsequent reports
- ILEC employee generated
- ILEC company official orders

Performance Standard:

Parity with GTE Retail

Report Dimensions :**Company:**

- Individual CLEC
- CLECs in the aggregate
- ILEC (if analog applies)

Geography:

- Statewide

Products:

- Resale POTS
- Resale Specials
- UNE Loop Nondesignated
- UNE Loop Designed
- UNE Port
- UNE Transport
- UNE Platform
- UNE Loop xDSL Capable
- Interconnection Trunks

Sub-Metrics**MR-5-01****% Repeat Reports within 30 Days****Calculation****Numerator**

Total customer network trouble reports received within 30 calendar days of a previous network trouble report for all products

Denominator

Total customer network trouble reports for all products

Function:		
NP-1 Percent Final Trunk Group Blockage		
Definition:		
Measures the number of final trunk groups exceeding 2% Blocking standard for 3 consecutive months.		
<i>Notes: 1) Applies to those trunks where the ILEC has augmentation control.</i> <i>2) Does not apply when trunks are provisioned as two-way trunks.</i>		
Business Rules:		
<ul style="list-style-type: none"> Only measured on trunks where ILEC has outgoing traffic to CLECs, and where ILEC controls trunk capacity. GTE reports provided 45 days after close of data month. Exception Reporting Only (Only reporting data for those trunk groups exceeding the 2% blockage threshold for 3 consecutive months.) 		
Exclusions:		
IXC Dedicated Trunks are not included Abnormal blockage exclusions: Network Failures; Switch Outages Acts of God; Storms, Tornadoes, etc. National Holidays Media Stimulated Mass Calling Cable/Fiber cuts Microwave Failures Power Outages		
Performance Standards:		
Final trunk groups will not exceed 2% blockage threshold for 3 consecutive months.		
Report Dimensions		
Company: <ul style="list-style-type: none"> Individual CLEC CLECs in the aggregate ILEC (if analog applies) Products: <ul style="list-style-type: none"> CLEC Trunks 		Geography: <ul style="list-style-type: none"> Statewide
Sub-Metrics		
NP-1-04	Number Final Trunk Groups Exceeding 2% Blocking Standard – 3 Months	
Calculation	Numerator	Denominator
	Count of final trunk groups that exceed 2% blocking threshold for three consecutive months, exclusive of trunks that block due to CLEC network problems	Not applicable

Function:		
NP-2 Collocation Performance		
Definition:		
Measures the percent of collocation arrangements responded to and completed (built) on time.		
<u>Business Rules:</u>		
<ol style="list-style-type: none"> 1. Applies to all requests for physical collocation space 2. Interval begins when ILEC approves the application and has received, from CLEC, financial payment or bond. 		
Exclusions:		
Excludes orders canceled by CLEC		
Performance Standard:		
Physical Space Notification: 95% within 15 days		
Physical Completion: 95% on time		
Report Dimensions :		
Company:		Geography:
<ul style="list-style-type: none"> • Individual CLECs • CLECs in the aggregate 		<ul style="list-style-type: none"> • Statewide
Sub-Metrics		
NP-2-01	% On Time Response to Request for Physical Collocation	
Calculation	Numerator	Denominator
	Count of requests for physical collocation arrangements where response to request is answered within 15 days	Count of physical collocation arrangements completed in the reporting period.
NP-2-05	% On Time – Physical Collocation	
Calculation	Numerator	Denominator
	Number of physical collocation arrangements completed on or before due date (including due date extensions resulting from CLEC milestone misses)	Count of physical collocation arrangements completed in the reporting period.

Function:		
BI-2 Timeliness of Carrier Bill		
Definition:		
This measure captures the percent of invoices transmitted successfully to the CLEC within 10 business days of the scheduled close of a Bill Cycle.		
Business Rules:		
1. Includes only mechanized bills.		
Exclusions:		
Excludes paper bill, magnetic bill, CD ROM bill or Custom Bill diskette bill.		
Performance Standard:		
98% within 10 business days		
Report Dimensions :		
Company:		Geography:
<ul style="list-style-type: none"> Individual CLECs CLECs in the aggregate 		<ul style="list-style-type: none"> Statewide
Sub-Metrics		
BI-2-01	Timeliness of Carrier Bill	
Calculation	Numerator	Denominator
	Count of invoices transmitted within 10 business days of the scheduled Bill Cycle close date	Count of total invoices transmitted

ATTACHMENT A-3

CALCULATION OF PARITY AND BENCHMARK PERFORMANCE

Statistical Methodologies:

Bell Atlantic/GTE will use statistical methodologies as one means to determine if “parity” exists, or if the performance for CLECs is equivalent to the performance for Bell Atlantic. For performance measures where “parity” is the standard and sufficient sample size exists, Bell Atlantic/GTE will use the “modified Z statistic” proposed by a number of CLECs in LCUG (Local Competitors User Group). The specific formulas are detailed below:

Measured Variables:	Counted Variables:
$t = \frac{\bar{X}_{CLEC} - \bar{X}_{BA}}{\sqrt{S_{BA}^2 \left(\frac{1}{n_{CLEC}} + \frac{1}{n_{BA}} \right)}}$	

Definitions:

Measured Variables are metrics of means or averages, such as mean time to repair, or average interval.

Counted Variables are metrics of proportions, such as percent measures.

\bar{X} is defined as the average performance or mean of the sample

S is defined as the standard deviation

n is defined as the sample size

p is defined as the proportion, for percentages 90% translates to a 0.90 proportion

A Z or t score of below -1.645 provides a 95% confidence level that the variables are different, or that they come from different processes.

Sample Size Requirements:

The standard Z or t statistic will be used for measures where “parity” is the standard, unless there is insufficient sample size. For measured variables, the minimum sample size is 30. For counted variables, $np(1-p)$ must be greater than or equal to 5.⁶¹ When the sample size requirement is not met, BA/GTE will do the following:

⁶¹ In situations where either the Bell Atlantic/GTE or CLEC performance is 0% or 100%, this formula will trigger the process below regardless of sample size.

If the absolute performance for the CLEC is better than the BA/GTE performance, no statistical analysis is required. If the performance is worse for the CLEC than BA/GTE, BA/GTE will use the t distribution for measured variables until such time as a permutation test can be run in an automated fashion. For counted variables, the binomial distribution will be used. If the t distribution show an “out of parity” result, BA/GTE will run the permutation test. If the permutation test shows an “out of parity” condition, BA/GTE will perform a root cause analysis to determine cause. If the cause is the result of “clustering” within the data, BA/GTE will provide such documentation. The nature of the variables used in the performance measures is that they do not meet the requirements 100% of the time for any statistical testing. Individual data points are not independent. The primary example of such non-independence is a cable failure. If a particular CLEC has fewer than 30 troubles and all are within the same cable failure with long duration, the performance will appear out of parity. However, for all troubles, including BA/GTE troubles, within that individual event, the trouble duration is identical. Another example of clustering is if a CLEC has a small number of orders in a single location, with a facility problem. If this facility problem exists for all customers served by that cable and is longer than the average facility problem, the orders are not independent and clustering occurs. Finally, if root cause shows that the difference in performance is the result of CLEC behavior, BA/GTE will identify such behavior and work with the respective CLEC on corrective action.

Exceptions:

A key assumption in using statistics to evaluate parity is that the data are independent. Events included in the performance measures of provisioning and maintenance of telecommunications services are not independent. The lack of independence is referred to as “clustering” of data. Clustering occurs when individual items (orders, troubles etc.) are clustered together as one single event. This being the case, BA/GTE will file an exception to the performance data in the performance report if any of the following events occur:

- Event Driven Clustering: Cable Failure: If a significant proportion (more than 30%) of a CLEC’s troubles are in a single cable failure, BA/GTE will provide the data demonstrating that all troubles within that failure, including BA/GTE troubles were resolved in an equivalent manner. Then, BA/GTE will provide the repair performance data with that cable failure performance excluded from the overall performance for both the CLEC and BA/GTE and the remaining troubles compared according to normal statistical methodologies.
- Location Driven Clustering: Facility Problems: If a significant proportion (more than 30%) of a CLEC’s missed installation orders and resulting delay days were due to an individual location with a significant facility problem, BA/GTE will provide the data demonstrating that the orders were “clustered” in a single facility shortfall. Then, BA/GTE will provide the provisioning performance with that data excluded. Additional location driven clustering may be demonstrated by disaggregating performance into smaller geographic areas.
- Time Driven Clustering: Single Day Events: If significant proportion (more than 30%) of CLEC activity, provisioning or maintenance, occur on a single day within a month, and that day represents an unusual amount of activity is in a single day, BA/GTE will provide the data demonstrating that the activity is on that day. BA/GTE will compare that single day’s performance for the CLEC to BA/GTE’s own performance. Then, BA/GTE will provide data with that day excluded from overall performance to demonstrate “parity”.

Other Exceptions:

CLEC Actions: In addition, the key assumption of independence of data may be impacted by CLEC behavior such as order quality, causing excessive missed appointments; incorrect dispatch identification, resulting in

excessive multiple dispatch and repeat reports; inappropriate appointment coding on orders, where extended due dates are desired; and delays in rescheduling appointments, when BA/GTE has missed an appointment. BA/GTE will bring such behavior to the attention of the CLEC to attempt resolution. If such action negatively impacts performance, BA/GTE will provide appropriate detail documentation of the events and communication to the individual CLEC and the Commission.

Documentation:

BA/GTE will provide all details, ensuring protection of customer proprietary information to the CLEC and Commission. Details include, individual trouble reports, and orders with analysis of BA/GTE and CLEC performance. For cable failures, BA/GTE will provide appropriate documentation detailing all other troubles associated with that cable failure.

Allowable Misses for Small Sample Sizes for Counted Variable Performance Measures with Benchmark Standards

- If less than 20 items, find volume of items measured in Sample Size Column.
- If the number of misses falls under the “Allowed Misses” column, then the performance measure not included for remedies.

95% Standard:

Sample Size	Number of Allowed Misses
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	NA

Permutation analysis will be applied to calculate the z-statistic for measured variables using the following logic:

For testing differences in averages, a Monte Carlo procedure (sampling without replacement) will be used to estimate (with specified accuracy) the exact p-value for the test. If the exact p-value is less than the specified level of confidence, the null hypothesis (parity) is rejected. Equivalently, the Z_A value corresponding to the estimated p-value will be compared to the designated critical Z-value. If Z_A is greater than the critical Z-value, then the performance is non-compliant.

For testing differences in proportions or rates, the exact p-value will either be estimated with a Monte Carlo procedure or computed using an alternative algorithm. If the exact p-value is less than the specified level of confidence, the null hypothesis (parity) is rejected. Equivalently, the Z_A value corresponding to the estimated p-value will be compared to the designated critical Z-value. If Z_A is greater than the critical Z-value, then the performance is non-compliant.

Critical Z-Test Value

The critical Z test value will be -1.645 based on a 95% confidence level.

Methods Of Calculating Per Occurrence Voluntary Payments

Measurements For Which The Reporting Dimensions Are Averages Or Means.

- Step 1: Calculate the average or the mean for the measurement for the CLEC that would yield the Critical Z-value for the third consecutive month. Use the same denominator as the one used in calculating the Z-statistic for the measurement.
- Step 2: Calculate the percentage difference between the actual average and the calculated average (or benchmark value for benchmark measures) for the third consecutive month.
- Step 3: Multiply the total number of data points by the percentage calculated in the previous step. Calculate the average for three months and multiply the result by \$1500, \$900, and \$600 for Measurements that are designated as High, Medium, and Low respectively; to determine the applicable assessment payable to the U.S. Treasury for that measure.

Measurements For Which The Reporting Dimensions Are Percentages.

- Step 1: Calculate the percentage for the measurement for the CLEC that would yield the Critical Z-value for the third consecutive month. Use the same denominator as the one used in calculating the Z-statistic for the measure.
- Step 2: Calculate the difference between the actual percentage for the CLEC and the calculated percentage (or benchmark value for benchmark measures) for each of the three non-compliant months.
- Step 3: Multiply the total number of data points by the percentage calculated in the previous step. Calculate the average for three months and multiply the result by \$1500, \$900, and \$600 for

measurements that are designated High, Medium, and Low respectively: to determine the applicable assessment payable to the U.S. Treasury.

Measurements For Which The Reporting Dimensions Are Ratios Or Proportions.

- Step 1: Calculate the ratio for the measurement for the CLEC that would yield the Critical Z-value for the third consecutive month. Use the same denominator as the one used in calculating the Z-statistic for the measure.
- Step 2: Calculate the percentage difference between the actual ratio for the CLEC and the calculated ratio (or benchmark value for benchmark measures) for each month of the non-compliant three-month period.
- Step 3: Multiply the total number of service orders by the percentage calculated in the previous step for each month. Calculate the average for three months and multiply the result by \$1500, \$900, and \$600 for measurements that are designated as High, Medium, and Low respectively; to determine the applicable assessment for that measure.

Measurements for Which Payment Is Per Occurrence With A Cap

Voluntary payments are calculated on a per occurrence basis in accordance with the methodologies described above and are payable up to the caps identified in Attachment A-4.

Methods Of Calculating Per Measurement Voluntary Payments

Per measurement voluntary payments are payable as detailed in the Voluntary Payments Table below if the actual Z-value exceeds the critical Z-value.

ATTACHMENT A-4

VOLUNTARY PAYMENTS TABLE FOR MEASUREMENTS

Per Occurrence

Measurement Group	
High	\$1500
Medium	\$900
Low	\$600

Per Measurement/Per Occurrence Caps

Measurement Group	A	B	C
High	\$225,000	\$75,000	\$20,000
Medium	\$90,000	\$30,000	\$10,000
Low	\$60,000	\$20,000	\$5,000

A = States with 1,000,000 or more access lines

B = States with between 500,000 and 999,999 access lines

C = States with < 500,000 access lines

A	<u>BA States:</u> Massachusetts, Maryland, New Jersey, New York, Pennsylvania, Virginia <u>GTE States:</u> California, Florida, Texas
B	<u>BA States:</u> District of Columbia, Delaware, Maine, New Hampshire, Rhode Island, West Virginia <u>GTE States:</u> Hawaii, Illinois, Indiana, Kentucky, Michigan, North Carolina, Ohio, Pennsylvania, Virginia, Washington, Wisconsin
C	<u>BA States:</u> Connecticut, Vermont <u>GTE States:</u> Alabama, Idaho, Missouri, Nevada, Oregon, South Carolina

ATTACHMENT A-5a
BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
OSS	Interface	PO-1-01	OSS Resp. Time – CSR	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-01	OSS Resp. Time – CSR	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-01	OSS Resp. Time – CSR	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-1-02	OSS Resp. Time - Due Date Avail.	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-02	OSS Resp. Time - Due Date Avail.	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-02	OSS Resp. Time - Due Date Avail.	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-1-03	OSS Resp. Time – Address Validation	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-03	OSS Resp. Time – Address Validation	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-03	OSS Resp. Time – Address Validation	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-1-04	OSS Resp. Time - Prod. & Svc. Avail.	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-04	OSS Resp. Time - Prod. & Svc. Avail.	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-04	OSS Resp. Time - Prod. & Svc. Avail.	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-1-05	OSS Resp. Time - TN Reservation	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-05	OSS Resp. Time - TN Reservation	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-05	OSS Resp. Time - TN Reservation	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-1-06	OSS Resp. Time - Loop Qualification	EDI	retail + 4 seconds	measure	Low	Low
		PO-1-06	OSS Resp. Time - Loop Qualification	CORBA	retail + 4 seconds	measure	Low	Low
		PO-1-06	OSS Resp. Time - Loop Qualification	WEB GUI	retail + 7 seconds	measure	Low	Low
		PO-2-02	OSS Availability - Prime	EDI	99.50%	measure	Medium/High ⁶²	Medium/High
		PO-2-02	OSS Availability-Prime	WEBGUI	99.50%	measure	Medium/High	Medium/High
		PO-2-02	OSS Availability –Prime	CORBA	99.50%	measure	Medium/High	Medium/High
	Billing	BI-2-01	Timeliness of Carrier Bill		98% in 10 Bus.Days	measure	Low	Low

⁶² OSS Availability = Medium \$ for 97.5% to < 99.5% availability, High \$ for < 97.5% Availability

ATTACHMENT A-5a
BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
Resale	Ordering	OR-1-02	% On Time LSRC - Flow Through	POTS	95% in 2 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	POTS	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	ISDN	95% in 72 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	ADSL	95% in 72 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	Specials	95% in 48 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSRC - >= 10 Lines (E)	POTS	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSRC - >= 10 Lines (E)	Specials	95% in 72 Hours	occurrence	\$600	Low
		OR-2-02	% On Time LSR Reject - Flow -Thru	POTS	95% in 2 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	POTS	95% in 24 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	ISDN	95% in 72 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	ADSL	95% in 72 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	Specials	95% in 48 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	POTS	95% in 72 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	Specials	95% in 72 Hours	occurrence	\$600	Low
		OR-5-01	% Flow Through - Total	All Resale	TBD	Measure	Medium	Medium
	Provisioning	PR-3-08	% Completed w/in 5 Days (1-5 lines) - No Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-3-09	% Completed w/in 5 Days (1-5 lines) - Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-4-01	% Missed Appt. - BA - Total	Specials	parity with retail	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	POTS	parity with retail	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	ISDN	parity with retail	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	ADSL	parity with retail	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	Specials	parity with retail	occurrence	\$900	
		PR-4-04	% Missed Appt. - Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-4-04	% Missed Appt. - Dispatch	ISDN	parity with retail	occurrence	\$900	
		PR-4-04	% Missed Appt. - Dispatch	ADSL	parity with retail	occurrence	\$900	
		PR-4-05	% Missed Appt. - No Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-4-05	% Missed Appt. - No Dispatch	ISDN	parity with retail	occurrence	\$900	
		PR-4-05	% Missed Appt. - No Dispatch	ADSL	parity with retail	occurrence	\$900	

ATTACHMENT A-5a
BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
Resale continued	Provisioning (continued)	PR-5-03	% Orders Missed-Facilities > 60 Days	POTS	parity with retail	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	Specials	parity with retail	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	ISDN	parity with retail	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	ADSL	parity with retail	occurrence	\$1,500	
		PR-6-01	% Install. Troubles Rept. W/in 30 Days	Specials	parity with retail	occurrence	\$600	
		PR-6-02	% Install. Troubles Rept. W/in 7 Days	POTS	parity with retail	occurrence	\$600	
	Maintenance	MR-2-01	Network Trouble Report Rate (Total)	Specials	parity with retail	Occurrence	\$600	
		MR-2-02	Network Trouble Report Rate (Loop)	POTS	parity with retail	Occurrence	\$600	
		MR-2-03	Network Trouble Report Rate (CO)	POTS	parity with retail	Occurrence	\$600	
		MR-3-01	% Missed Repair Appt. (Loop)	POTS	parity with retail	Occurrence	\$900	
		MR-3-02	% Missed Repair Appt. (CO)	POTS	parity with retail	Occurrence	\$900	
		MR-4-01	Mean Time to Repair (Total)	Specials	parity with retail	Occurrence	\$600	
		MR-4-02	Mean Time to Repair (Loop)	POTS	parity with retail	Occurrence	\$600	
		MR-4-03	Mean Time to Repair (Central Office)	POTS	parity with retail	Occurrence	\$600	
		MR-4-08	% OOS > 24 Hours	POTS	parity with retail	Occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	Specials	parity with retail	Occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	POTS	parity with retail	Occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	Specials	parity with retail	Occurrence	\$900	

ATTACHMENT A-5a --BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
UNE	Ordering	OR-1-02	% On Time LSRC - Flow Through	PLATFORM	95% in 2 Hours	occurrence	\$600	Low
		OR-1-02	% On Time LSRC - Flow Through	LOOP	95% in 2 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	PLATFORM	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	LOOP	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	2 wire digital	95% in 72 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	2 wire xdsl	95% in 72 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSRC - < 10 Lines (E)	Total Spec.	95% in 48 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSRC - >= 10 Lines (E)	PLATFORM	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSRC - >= 10 Lines (E)	LOOP	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSRC - >= 10 Lines (E)	Total Spec.	95% in 72 Hours	occurrence	\$600	Low
		OR-2-02	% On Time LSR Reject - Flow -Thru	PLATFORM	95% in 2 Hours	occurrence	\$600	Low
		OR-2-02	% On Time LSR Reject - Flow -Thru	LOOP	95% in 2 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	PLATFORM	95% in 24 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	LOOP	95% in 24 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	2 wire digital	95% in 72 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	2 wire xdsl	95% in 72 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	Specials	95% in 48 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	PLATFORM	95% in 72 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	LOOP	95% in 72 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	Specials	95% in 72 Hours	occurrence	\$600	Low
		OR-5-01	% Flow Through - Total	All UNE	TBD	Measure	Medium	Medium
	Provisioning	PR-3-08	% Completed w/in 5 Days (1-5 lines) - No Dispatch	Platform	parity with retail POTS	occurrence	\$600	
		PR-3-09	% Completed w/in 5 Days (1-5 lines) - Dispatch	Platform	parity with retail POTS	occurrence	\$600	
		PR-4-01	% Missed Appt. - BA - Total	EEL	parity with retail tot. specials	occurrence	\$900	
		PR-4-01	% Missed Appt. - BA - Total	IOF	parity with retail tot. specials	occurrence	\$900	
		PR-4-01	% Missed Appt. - BA - Total	Specials	parity with retail tot. specials	occurrence	\$900	

ATTACHMENT A-5a -- BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
UNE	Provisioning continued	PR-4-02	Average Delay Days - Total	Platform	parity with retail POTS	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	LOOP	parity with retail POTS	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	2 wire digital	parity with retail 2nd line	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	2 wire xdsl	parity with retail 2nd line	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	EEL	parity with retail tot. specials	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	IOF	parity with retail tot. specials	occurrence	\$900	
		PR-4-02	Average Delay Days - Total	Specials	parity with retail tot. specials	occurrence	\$900	
		PR-4-04	% Missed Appt. - Dispatch	Platform	parity with retail POTS	occurrence	\$900	
		PR-4-04	% Missed Appt. - Dispatch	Loop (no HC)	parity with retail POTS	occurrence	\$900	
		PR-4-05	% Missed Appt. - No Dispatch	Platform	parity with retail POTS	occurrence	\$900	
		PR-4-07	% On Time - UNE LNP	LNP	95%	occurrence	\$900	
		PR-4-10	% Completed On Time – Complex (DD-2 Test & Serial Number)	2 wire digital	Parity with retain 2 nd line	occurrence	\$900	
		PR-4-10	% Completed On Time – Complex (DD-2 Test & Serial Number)	2 wire xdsl	Parity with retain 2 nd line	occurrence	\$900	
		PR-5-03	% Orders Missed-Facilities > 60 Days	PLATFORM	parity with retail POTS	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	LOOP	parity with retail POTS	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	Specials	parity with retail tot. specials	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	2 wire digital	parity with retail 2nd line	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	2 wire xdsl	parity with retail 2nd line	occurrence	\$1,500	

		PR-6-01	% Install. Troubles Rept. W/in 30 Days	Specials		occurrence	\$600	
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ATTACHMENT A-5a -- BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
		PR-6-01	% Install. Troubles Rept. W/in 30 Days	2 wire digital	parity with retail 2nd line	occurrence	\$600	
		PR-6-01	% Install. Troubles Rept. W/in 30 Days	2 wire xdsl	parity with retail 2nd line	occurrence	\$600	
UNE	Provisioning continued	PR-6-02	% Install. Troubles Rept. W/in 7 Days	PLATFORM	parity with retail POTS	occurrence	\$600	
		PR-6-02	% Install. Troubles Rept. W/in 7 Days	LOOP	parity with retail POTS	occurrence	\$600	
		PR-6-02	% Install. Troubles Rept. W/in 7 Days	Hot Cut Loop	3%	occurrence	\$900	
		PR-9-01	% On Time - UNE Hot Cut Loop	Hot Cut Loop	95%	occurrence	\$900	
	Maintenance	MR-2-01	Network Trouble Report Rate (Total)	Specials	parity with retail tot. specials	occurrence	\$600	
		MR-2-02	Network Trouble Report Rate (Loop)	PLATFORM	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-02	Network Trouble Report Rate (Loop)	LOOP	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-02	Network Trouble Report Rate (Loop)	2 wire digital	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-02	Network Trouble Report Rate (Loop)	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-03	Network Trouble Report Rate (Central Office)	PLATFORM	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-03	Network Trouble Report Rate (CO)	LOOP	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-03	Network Trouble Report Rate (CO)	2 wire digital	parity with retail POTS/Complex	occurrence	\$600	
		MR-2-03	Network Trouble Report Rate (CO)	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$600	
		MR-3-01	% Missed Repair Appt. (Loop)	PLATFORM	parity with retail POTS/Complex	occurrence	\$900	
		MR-3-01	% Missed Repair Appt. (Loop)	LOOP	parity with retail POTS/Complex	occurrence	\$900	
		MR-3-01	% Missed Repair Appt. (Loop)	2 wire digital	parity with retail POTS/Complex	occurrence	\$900	

		MR-3-01	% Missed Repair Appt. (Loop)	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$900	
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ATTACHMENT A-5a -- BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
UNE	Maintenance continued	MR-3-02	% Missed Repair Appt. (CO)	PLATFORM	parity with retail POTS/Complex	occurrence	\$900	
		MR-3-02	% Missed Repair Appt. (CO)	LOOP	parity with retail POTS/Complex	occurrence	\$900	
		MR-3-02	% Missed Repair Appt. (CO)	2 wire digital	parity with retail POTS/Complex	occurrence	\$900	
		MR-3-02	% Missed Repair Appt. (CO)	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	PLATFORM	parity with retail POTS/Complex	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	LOOP	parity with retail POTS/Complex	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	2 wire digital	parity with retail POTS/Complex	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	Specials	parity with retail tot. specials	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	PLATFORM	parity with retail POTS/Complex	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	LOOP	parity with retail POTS/Complex	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	2 wire digital	parity with retail POTS/Complex	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	2 wire xdsl	parity with retail POTS/Complex	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	Specials	parity with retail tot. specials	occurrence	\$900	

ATTACHMENT A-5a -- BA/GTE MEASUREMENT LIST
Bell Atlantic States (CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, WV, VA, VT)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
Inter-Connection	Ordering	OR-1-12	% On Time FOC (<= 192 Trunks)	CLEC Trunks	95% in 10 Days	occurrence	\$900	Low
		OR-2-12	% On Time Reject (<= 192 Trunks)	CLEC Trunks	95% in 10 Days	occurrence	\$900	Low
	Provisioning	PR-4-01	% Missed Appt. - BA - Total	CLEC Trunks	Parity with IXC FGD	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	CLEC Trunks	Parity with IXC FGD	occurrence	\$1,500	
	Maintenance	MR-2-01	Network Trouble Report Rate (Total)	CLEC Trunks	Parity with IXC FGD	occurrence	\$900	
		MR-4-07	% OOS > 12 Hours	CLEC Trunks	Parity with IXC FGD	occurrence	\$1,500	
	Blockage	NP-1-04	# of Final Trunk Groups Blocked 3 Months	BA-CLEC Trunks	0	occurrence	\$1,500	High
Collocation	Ordering	NP-2-01	% On Time Response for Request	Physical	95%	occurrence	\$900	
		NP-2-02	% On Time Response for Request	Virtual	95%	occurrence	\$900	
	Provisioning	NP-2-05	% On Time Completion	Physical	95%	occurrence	\$1,500	
		NP-2-06	% On Time Completion	Virtual	95%	occurrence	\$1,500	

ATTACHMENT A-5b --BA/GTE MEASUREMENT LIST
GTE States (AL, CA, FL, HI, ID, IL, IN, KY, MI, MO, NV, NC, OH, OR, PA, SC, TX, VA, WA, WI)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
OSS	Interface	PO-1-02	OSS Resp. Time – Svc Appt Scheduling	Electronic	TBD	measure	\$60,000	Low
		PO-1-03	OSS Resp. Time – Address Verification	Electronic	TBD	measure	\$60,000	Low
		PO-1-04	OSS Resp. Time – Svc Availability.	Electronic	TBD	measure	\$60,000	Low
		PO-1-05	OSS Resp. Time – TN Request	Electronic	TBD	measure	\$60,000	Low
		PO-1-06	OSS Resp. Time – Facility Availability	Electronic	TBD	measure	\$60,000	Low
		PO-1-07	% CSR On Time – Manual	Manual	95% in 24 hours	measure	\$60,000	Low
		PO-1-08	% CSR On Time – WISE	WISE	95% in 4 hours	measure	\$60,000	Low
		PO-2-02	OSS Availability – Scheduled	WISE PreO	99.50%	measure	\$90,000	Medium
		PO-2-02	OSS Availability – Scheduled	WISE Ord	99.50%	measure	\$90,000	Medium
		PO-2-02	OSS Availability – Scheduled	WISE Rpr	99.50%	measure	\$90,000	Medium
		PO-2-02	OSS Availability – Scheduled	WISE CSR	99.50%	measure	\$90,000	Medium
	Billing	BI-2-01	Timeliness of Carrier Bill		98% in 10 Bus.Days	measure	\$60,000	Low
Resale	Ordering	OR-1-02	% On Time LSC - Flow Through	POTS	95% in 2 Hours	occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	Specials	95% in 2 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC – < 10 Lines	POTS	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC – < 10 Lines	Specials	95% in 48 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	POTS	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	Specials	95% in 72 Hours	occurrence	\$600	Low
		OR-2-02	% On Time LSR Reject-Flow Through	POTS	95% in 2 Hours	occurrence	\$600	Low
		OR-2-02	% On Time LSR Reject-Flow Through	Specials	95% in 2 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	POTS	95% in 24 Hours	occurrence	\$600	Low
		OR-2-04	% On Time LSR Reject - < 10 Lines	Specials	95% in 48 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	POTS	95% in 72 Hours	occurrence	\$600	Low
		OR-2-06	% On Time LSR Reject - >= 10 Lines	Specials	95% in 72 Hours	occurrence	\$600	Low
		OR-5-01	Percent Flow-Through	Resale	TBD	Measure	Medium	Medium
	Provisioning	PR-3-08	% Completed w/in 5 Days - No Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-3-09	% Completed w/in 5 Days – Dispatch	POTS	parity with retail	occurrence	\$900	

ATTACHMENT A-5b -- BA/GTE MEASUREMENT LIST
GTE States (AL, CA, FL, HI, ID, IL, IN, KY, MI, MO, NV, NC, OH, OR, PA, SC, TX, VA, WA, WI)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
Resale continued	Provisioning	PR-4-01	% Missed Due Dates – Designed Services	Specials	parity with retail	occurrence	\$1,500	
		PR-4-02	Average Delay Days – Total	POTS	parity with retail	occurrence	\$900	
		PR-4-02	Average Delay Days – Total	Specials	parity with retail	occurrence	\$900	
		PR-4-04	% Missed Due Dates – Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-4-05	% Missed Due Dates - No Dispatch	POTS	parity with retail	occurrence	\$900	
		PR-5-03	% Orders Missed-Facilities > 60 Days	POTS	parity with retail	occurrence	\$1,500	
		PR-5-03	% Orders Missed-Facilities > 60 Days	Specials	parity with retail	occurrence	\$1,500	
		PR-6-01	% Install. Troubles Rept. W/in 30 Days	Specials	parity with retail	occurrence	\$900	
		PR-6-02	% Install. Troubles Rept. W/in 7 Days	POTS	parity with retail	occurrence	\$600	
	Maintenance	MR-2-01	Network Trouble Report Rate	POTS	parity with retail	occurrence	\$600	
		MR-2-01	Network Trouble Report Rate	Specials	parity with retail	occurrence	\$600	
		MR-3-01	% Missed Repair Commitment	POTS	parity with retail	occurrence	\$900	
		MR-3-01	% Missed Repair Commitment	Specials	parity with retail	occurrence	\$900	
		MR-4-01	Mean Time to Repair	POTS	parity with retail	occurrence	\$600	
		MR-4-01	Mean Time to Repair	Specials	parity with retail	occurrence	\$600	
		MR-4-08	% OOS > 24 Hours	POTS	parity with retail	occurrence	\$900	
		MR-4-08	% OOS > 24 Hours	Specials	parity with retail	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	POTS	parity with retail	occurrence	\$900	
		MR-5-01	% Repeat Reports w/in 30 Days	Specials	parity with retail	occurrence	\$900	

ATTACHMENT A-5b --BA/GTE MEASUREMENT LIST
GTE States (AL, CA, FL, HI, ID, IL, IN, KY, MI, MO, NV, NC, OH, OR, PA, SC, TX, VA, WA, WI)

		Metric #	Metric	Product	Standard	Pay per	\$	\$Cap
UNE	Ordering	OR-1-02	% On Time LSC - Flow Through	UNE Loop Nondes	95% in 2 Hours	occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	UNE Loop Designed	95% in 2 Hours	occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	UNE Loop 2 wire	95% in 2 Hours	occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	UNE Platform	95% in 2 Hours	Occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	UNE Loop xDSL Capable	95% in 2 Hours	Occurrence	\$600	Low
		OR-1-02	% On Time LSC - Flow Through	UNE Port	95% in 2 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Loop Nondes	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Loop Designed	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Loop 2 wire	95% in 24 Hours	occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Platform	95% in 24 Hours	Occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Loop xDSL Capable	95% in 24 Hours	Occurrence	\$600	Low
		OR-1-04	% On Time LSC - < 10 Lines	UNE Port	95% in 24 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	UNE Loop Nondes	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	UNE Loop Designed	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	UNE Loop 2 wire	95% in 72 Hours	occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	UNE Platform	95% in 72 Hours	Occurrence	\$600	Low
		OR-1-06	% On Time LSC - >= 10 Lines	UNE Loop xDSL Capable	95% in 72 Hours	Occurrence	\$600	Low